U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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SURE STATEMENT

ATTY. DOCKET NO. 501293.01 (30264/US) APPLICATION NO. 10/690,810

APPLICANT(S)

James W. Meyer and Cory Kanski

FILING DATE

October 20, 2003

GROUP ART UNIT 2186

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*EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,818,844	10/06/98	Singh et al.	370	463	
\mathcal{T}	АВ	6,067,262	05/23/00	Irrinki et al.	365	201	
	AC	6,246,618 B1	06/12/01	Yamamoto et al.	365	200	
	AD	6,272,609 B1	08/07/01	Jeddeloh	711	169	
	AE	6,477,592 B1	11/05/02	Chen et al.	710	52	
	AF	6,523,092 B1	02/18/03	Fanning	711	134	
	AG	6,523,093 B1	02/18/03	Bogin et al.	711	137	
	ΑН	6,590,816 B2	07/08/03	Perner	365	200	
	Al	6,622,227 B2	09/16/03	Zumkehr et al.	711	167	
	ΑJ	6,631,440 B2	10/07/03	Jenne et al.	711	105	
	AK	2002/0144064 A1	10/03/02	Fanning	711	144	
	AL	2003/0005223 A1	01/02/03	Coulson et al.	711	118	
1	AM	2003/0043426 A1	03/06/03	Baker et al.	359	109	
	AN	2003/0229770 A1	12/11/03	Jeddeloh	711	213	

FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178.

EXAMINER

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* EXAMINER:

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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	1 AA	4,045,781	08/30/77	Levy et al	•	364		200	II ALLK	JINAIL .
	AB	5,479,370	12/26/95	Furuyama	et al.	365		189.12		
	AC	5,729,709	03/17/98	Harness		395		405		
	AD	5,875,454	02/23/99	Craft et al		711		113		
	AE	6,186,400 B1	02/13/01	Dvorkis e	t al.	235		462.45		
	AF	6,243,831 B1	06/05/01	Mustafa e	t al.	714		24		
	λG	6,256,692 B1	07/03/01	Yoda et al		710		104		
h	ИH	6,438,668 B1	08/20/02	Esfahani e	et al.	711		165		
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		J _{AA}	4,953,930	09/04/90	Ramsey e	t al.	350		96.11		
		AB	5,987,196	11/16/99	Noble		385		14		
		AC	6,715,018 B2	03/30/04	Farnworth	et al.	710		300		
		AD	6,811,320 B1	11/02/04	Abbott		385		58		
		ΑE	6,821,029 B1	11/23/04	Grung et a	ıl.	385		92		
7	7 ~	∕ AF	2004/0126115 A1	07/01/04	Levy et al	•	398		116		
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. 501293.01 (30264/US) APPLICATION NO. 10/690,810

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT(S) James W. Meyer and Cory Kanski

FILING DATE October 20, 2003

GROUP ART UNIT 2186

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1	AA	4,608,702	08/26/86	Hirzel et al.	375	110		
<u> </u>	AB	4,891,808	01/02/90	Williams	370	112		
1	AC	5,748,616	05/05/98	Riley	370	242		
	AD	6,208,180 B1	03/27/01	Fisch et al.	327	141		
\bot	AE	6,889,304 B2	05/03/05	Perego et al.	711	170		
	AF	6,910,109 B2	06/21/05	Holman et al.	711	156		
M	AG	2003/0217223 A1	11/20/03	Nino, Jr. et al.	711 .	105		
4	АН	2003/0227798 A1	12/11/03	Pax	365	189.12		
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1		AA	5,327,553	07/05/94	Jewett et a	al.	395	575		
		AВ	5,706,224	01/06/98	Srinivasar	n et al.	365	49		
i		AC	6,131,149	10/10/00	Lu et al.		711 .	167		
		AD	6,219,725 B1	04/17/01	Diehl et a	l.	710.	26		
		АE	6,286,083 B1	09/04/01	Chin et al.		711	151		
		AF	6,493,803 B1	12/10/02	Pham et a	1.	711	147		
		AG	6,564,329 B1	05/13/03	Cheung et	al.	713	322		
		АН	6,665,202 B2	12/16/03	Lindahl et	al.	365	49		
L_	1	ΑI	2004/0044833 A1	03/04/04	Ryan		711	5		
6	1	ρ	2005/0044327 A1	02/24/05	Howard e	t al.	711	147		
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	AA	6,845,409 B1	01/18/05	Talagala e	t al.	710	20			
	AB	2003/0149809 A1	08/07/03	Jensen et	al.	710	22	ļ		
4)	AC	2004/0236885 A1	11/25/04	Fredriksso	on et al.	710	100	ļ		
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 501293.01 (30264/US)

APPLICATION NO. 10/690,810

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

James W. Meyer and Cory Kanski

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October 20, 2003

GROUP ART UNIT

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	AA	4,707,823	11/17/87	Holdren et al.	370	1	
STPE.	В	5,241,506	08/31/93	Motegi et al.	365	210	
N 1 9 2004	4	5,243,703	09/07/93	Farmwald et al.	395	325	
	A SULLAND	5,319,755	06/07/94	Farmwald et al.	395	325	
PRADEMAR	AE	5,355,391	10/11/94	Horowitz et al.	375	36	
	AF	5,432,823	07/11/95	Gasbarro et al.	375	356	
	AG	5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	АН	5,502,621	03/26/96	Schumacher et al.	361	760	
	AI	5,566,325	10/15/96	Bruce, II et al.	395	494	
	AJ	5,581,767	12/03/96	Katsuki et al.	395	800	
	AK	5,606,717	02/25/97	Farmwald et al.	395	856	
	AL	5,638,334	06/10/97	Farmwald et al.	365	230.03	
	AM	5,819,304	10/06/98	Nilsen et al.	711	5	
	AN	5,928,343	07/27/99	Farmwald et al.	710	104	
	AO	5,973,935	10/26/99	Schoenfeld et al.	361	813	
	AP	5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	AQ	6,029,250	02/22/00	Keeth	713	400	
	AR	6,061,296	05/09/00	Ternullo, Jr. et al.	365	233	
	AS	6,125,431	09/26/00	Kobayashi	711	154	
	AT	6,175,571 B1	01/16/01	Haddock et al.	370	423	
	ΑU	6,185,352 B1	02/06/01	Hurley	385	114	
	AV	6,247,107 B1	06/12/01	Christie	711	216	
7	AW	6,294,937 B1	09/25/01	Crafts et al.	327	158	
1.		6,370,068 B2	04/09/02	Rhee	365	196	

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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APPLICATION NO. 10/690,810

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	AY	6,401,213 B1	06/04/02	Jeddeloh	713	401	
	AZ	6,430,696 B1	08/06/02	Keeth	713	503	
	ВА	6,434,736 B1	08/13/02	Schaecher et al.	716	17	
	ВВ	6,479,322 B2	11/12/02	Kawata et al.	438	109	
	вс	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
	BD	6,629,220 B1	09/30/03	Dyer	711	158	
	BE	6,646,929 B1	11/11/03	Moss et al.	365	194	
	BF	6,662,304 B2	12/09/03	Keeth et al.	713	400	
	ВG	6,667,895 B2	12/23/03	Jang et al.	365	63	
F	вн	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
	BI	6,724,685 B2	04/20/04	Braun et al.	365	233	
	Bì	6,735,679 B1	05/11/04	Herbst et al.	711	167	
	вк	6,745,275 B2	06/01/04	Chang	710	305	
	BL	6,751,703 B2	06/15/04	Chilton	711	113	
	ВМ	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
	BN	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
	во	6,792,059 B2	09/14/04	Yuan et al.	375	354	
	BP	6,799,246 B1	09/28/04	Wise et al.	711	117	
	BQ	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
	BR	6,816,947 B1	11/09/04	Huffman	· 711 .	151	
	BS	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
	вт	2003/0093630 A1	05/15/03	Richard et al.	711	154	
5	BU	2003/0163649 A1	08/28/03	Kapur et al.	711	146	

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7	АB	5,822,255	10/13/98	Uchida		365		194		
	AC	6,033,951	03/07/00	Chao		438		253		
	AD	6,079,008	06/20/00	Clery, III		712		11		
•	ΑE	6,392,653 B1	05/21/02	Malandaiı	n et al.	345		501		
1	AF.	6,636,110 B1	10/21/03	Ooishi et	al.	327		565		
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO. 501293.01

APPLICATION NO.

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APPLICANT(S)

James W. Meyer et al.

FILING DATE
Concurrently herewith

GROUP ART UNIT
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U.S. PATENT DOCUMENTS

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*EXAMPLER INITIAL		DOCUMENT NUMBER	DATE	NAME '	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h	M	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
7	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
	AC	5,442,770	08/15/95	Barratt	395	403]
	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
	AF	5,875,352	02/23/99	Gentry et al.	395	843	
	AG	6,061,263	05/09/00	Boaz et al.	365	51	
	АН	6,073,190	06/06/00	Rooney	710	56	
	Al	6,105,075	08/15/00	Ghaffari	710	5	
	AJ	6,137,709	10/24/00	Boaz et al.	365	51	
	AK	6,144,587	11/07/00	Yoshida	365	189.05	
	AL	6,167,465	12/26/00	Parvin et al.	710	22	
	АМ	6,167,486	12/26/00	Lee et al.	711	120	
	AN	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AO	6,233,376 B1	05/15/01	Updegrove	385	14	
	AP	6,243,769 B1	06/05/01	Rooney	710	56	
	AQ	6,285,349 B1	09/04/01	Smith	345	147	
	AR	6,301,637 B1	10/09/01	Krull et al.	711	112	
	AS	6,327,642 B1	12/04/01	Lee et al.	711	120	
	АТ	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
	AU	6,347,055 B1	02/12/02	Motomura	365	189.05	
	Άν	6,349,363 B2	02/19/02	Cai et al.	711	129	
1	AW	6,356,573 B1	03/12/02	Jonsson et al.	372	46	
Li	AK.	6,367,074 B1	04/02/02	Bates et al.	717	11	

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	KY	6,373,777 B1	04/16/02	Suzuki		365		230.03		
	AZ	6,381,190 B1	04/30/02	Shinkai		365		230.03		
	ВА	6,421,744 B1	07/16/02	Morrison	et al.	710		22		
·	вв	6,434,639 B1	08/13/02	Haghighi		710		39	•	
	вс	6,463,059 B1	10/08/02	Movshovi	ch et al.	370		389		
	BD	6,470,422 B2	10/22/02	Cai et al.		711		129		
	BE	6,473,828 B1	10/29/02	Matsui		711		104		
	BF	6,477,614 B1	11/05/02	Leddige e	t al.	711		5		
	ВG	6,477,621 B1	11/05/02	Lee et al.		711		120		
	вн	6,496,909 B1	12/17/02	Schimmel		711		163		
	ВІ	6,505,287 B2	01/07/03	Uematsu		711		170		
	ВЈ	6,539,490 B1	03/25/03	Forbes et	al.	713		401		
	вк	6,552,564 B1	04/22/03	Forbes et	al.	326		30		
	BL	6,587,912 B2	07/01/03	Leddige e	t al.	711		5		
1	BM	6,594,713 B1	07/15/03	Fuoco et a	al.	710		31		
4	ВИ	2002/0112119 A1	08/15/02	Halbert et	al.	711		115		
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM, Micron Technology, Inc., 2002, pp. 1-23.

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ATTY. DOCKET NO. 501293.01 (30264/US) APPLICATION NO. 10/690,810

INFORMATION DI SURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S) James W. Meyer and Cory Kanski

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FILING DATE October 20, 2003 GROUP ART UNIT 2186

EXAMINER		DOCUMENT NUMBER	DATE	PATENT DOCUMENTS NAME	CLASS	SUBCLASS	FILING DATE
DITIAL					264	200	IF APPROPRIAT
1	AA	4,240,143	12/16/80	Besemer et al.	364	 	
	AB	4,245,306	01/13/81	Besemer et al.	364	200	
	AC	4,253,144	02/24/81	Bellamy et al.	364	200	
	AD	4,253,146	02/24/81	Bellamy et al.	364	200	
	AE	4,707,823	11/17/87	Holdren et al.	370	1	
	AF	4,724,520	02/09/88	Athanas et al.	364	200	
	AG	4,930,128	05/29/90	Suzuki et al.	371	12	
	AH	5,241,506	08/31/93	Motegi et al.	365	210	
-	AI	5,243,703	09/07/93	Farmwald et al.	395	325	<u> </u>
	AJ	5,269,022	12/07/93	Shinjo et al.	395	700	
	AK	5,317,752	05/31/94	Jewett et al.	395	750	
	AL	5,319,755	06/07/94	Farmwald et al.	395	325	
	AM	5,355,391	10/11/94	Horowitz et al.	375	36	
-	AN	5,432,823	07/11/95	Gasbarro et al.	375	356	
	AO	5,461,627	10/24/95	Rypinski	370	95.2	
_	_	5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	AP		03/26/96	Schumacher et al.	361	760	
	AQ		10/15/96	Bruce, II et al.	395	494	
	AR		11/19/96	Combs et al.	395	416	
	AS		12/03/96	Katsuki et al.	395	800	
	AT	2 606 717		Farmwald et al.	395	856	
	AU		02/25/97	Farmwald et al.	365	230.03	
	AV		06/10/97		395	652	
-	AW		02/03/98	Bennett et al.	711	5	
17	' XX		10/06/98	Nilsen et al.		471	+
(1	(A	5,832,250	11/03/98	Whittaker DATE CONSIL	395	4/1	

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ATTY. DOCKET NO. 501293.01 (30264/US) APPLICATION NO. 10/690,810

APPLICANT(S)

James W. Meyer and Cory Kanski

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INTIAL	AZ	5,928,343	07/27/99	Farmwald et al.	710	104	
1	BA	5,966,724	10/12/99	Ryan	711	105	
	BB	5,973,935	10/26/99	Schoenfeld et al.	361	813	
_	ВВ	5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	-	5,978,567	11/02/99	Rebane et al.	395	200.49	
	BD	6,023,726	02/08/00	Saksena	709	219	
	BE	6,029,250	02/22/00	Keeth	713	400	
	BF		02/29/00	Silfvast et al.	250	504 R	
	BG	6,031,241	05/09/00	Ternullo, Jr. et al.	365	233	
	ВН	6,061,296	06/13/00	Welker et al.	711	104	
	BI	6,076,139	08/01/00	Lay et al.	711	162	
	BJ	6,098,158	09/26/00	Kobayashi	711	154	
	BK	6,125,431	10/17/00	Burns et al.	710	131	
	BL	6,134,624	01/16/01	Haddock et al.	370	423	
	ВМ	 	+	Hurley	385	114	
	BN		02/06/01	Hannah	333	17.3	
	ВО	- 	02/20/01	Christie	711	216	
	BP		06/12/01		709	200	
	ВС		06/19/01	Richardson et al.	327	158	
	BR		09/25/01	Crafts et al.	365	196	-
	BS	6,370,068 B2	04/09/02	Rhee		120	

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6,401,213 B1

6,405,280 B1

6,430,696 B1

6,434,696 B1

6,434,736 B1

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APPLICANT(S)
James W. Meyer and Cory Kanski

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October 20, 2003

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*EXAMINER INITIAL					710	1	IF APPROPRIATE
h	вч	6,438,622 B1	08/20/02	Haghighi et al.	710	1	
	BZ	6,449,308 B1	09/10/02	Knight, Jr. et al.	375	212	
	CA	6,453,393 B1	09/17/02	Holman et al.	711	154	
	СВ	6,479,322 B2	11/12/02	Kawata et al.	438	109	
	СС	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
	CD	6,501,471 B1	12/31/02	Venkataraman et al.	345	424	
	CE	6,594,722 B1	07/15/03	Willke, II et al.	710	313	
	CF	6,598,154 B1	07/22/03	Vaid et al.	712	237	
	CG	6,615,325 B2	09/02/03	Mailloux et al.	711	154	
	СН	6,628,294 B1	09/30/03	Sadowsky et al.	345	568	
	CI	6,629,220 B1	09/30/03	Dyer	711	158	
	CJ	6,646,929 B1	11/11/03	Moss et al.	365	194	
_ _	СК	6,658,509 B1	12/02/03	Bonella et al.	710	100	
	CL	6,662,304 B2	12/09/03	Keeth et al.	713	400	
	СМ		12/23/03	Jang et al.	365	63	
	CN	6,697,926 B2	02/24/04	Johnson et al.	711	167	
	СО	6,718,440 B2	04/06/04	Maiyuran et al.	711	137	
-	СР	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
	CQ		04/20/04	Braun et al.	365	233	
	CR	4.700.000.D1	04/27/04	Lee et al.	710	54	
	1	6,735,679 B1	05/11/04	Herbst et al.	711	167	
	CS	6,735,682 B2	05/11/04	Segelken et al.	711	220	
	+-		06/01/04	Chang	710	305	
1	CU	<u> </u>	06/15/04	Chilton	711	113	
$-\mathcal{H}$	cw		06/22/04	Abdallah et al.	712	234	

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APPLICANT(S)

James W. Meyer and Cory Kanski

FILING DATE

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GROUP ART UNIT 2186

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•EXAMINER INITIAL	51	DOCUMENT NUMBER	DATE	PATENT DOCUMENTS NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
INITIAL	cx	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
	CY	6,760,833 B1	07/06/04	Dowling	712	34	
	cz	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
	DA	6,775,747 B2	08/10/04	Venkatraman	711	137	
	DB	6,789,173 B1	09/07/04	Tanaka et al.	711	147	
	DC	6,792,059 B2	09/14/04	Yuan et al.	375	354	
	DD	6,792,496 B2	09/14/04	Aboulenein et al.	710	306	
	DE	6,795,899 B2	09/21/04	Dodd et al.	711	137	
	DF	6,799,246 B1	09/28/04	Wise et al.	711	117	
	DG	6,799,268 B1	09/28/04	Boggs et al.	712	228	0
	DH	6,804,760 B2	10/12/04	Wiliams	711	170	
	DI	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
	DJ	6,807,630 B2	10/19/04	Lay et al.	713	2	
	DK	6,816,947 B1	11/09/04	Huffman	711	151	
	DL	6,820,181 B2	11/16/04	Jeddeloh et al.	711	169	
	DM	6,823,023 B1	11/23/04	Hannah	375	296	
	DN	2001/0039612 A1	11/08/01	Lee	713	2	
	DO	2002/0116588 A1	08/22/02	Beckert et al.	711		
	DP	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
	DQ	2003/0093630 A1	05/15/03	Richard et al.	711	154	
	DR		08/28/03	Kapur et al.	711	146	
<u></u>	DS	2003/0177320 A1	09/18/03	Sah et al.	711	158	
1	pr	2005/0071542 A1	03/31/05	Weber et al.	711	105	
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	Shanley, T. et al., "	PCI System	Architec	ture", Third Edition,	Mindsl	nare,	Inc., 1995	, pp. 2	4-25.
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